AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. (original): A method of constructing a representation of the geographical distribution of traffic for a cellular radio network, the method comprising the steps of:

dividing each cell of said cellular network into a set of areas using information on handovers obtained from said cellular network;

determining a traffic value for each of said areas; and

determining a representation of the geographical distribution of the traffic from said traffic values.

2. (original): A method according to claim 1, wherein the traffic value of an area depends on a handover probability associated with that area.

3. (original): A method according to claim 2, wherein said handover probabilities are computed conjointly with said traffic values by a constraint optimization method.

4. (original): A method according to claim 1, wherein the step of dividing each cell is made up of the following substeps:

acquiring incoming handover boundaries from best server maps provided by a management system, and

computing outgoing handover boundaries from said incoming handover boundaries,

said outgoing handover boundaries forming the boundaries of said areas.

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5. (new): A method according to claim 1, wherein the following equation is satisfied

$\sum_{k \in J(i)} \lambda_k = t$ such that J(i) is the set of indices of the areas belonging to cell i and t_i is the traffic value for cell i.